HOW PCT/PTO 23 MAY 2005 TENT COOPERATION TREATY

BEC'D 10 4 NOV 2004

	*****	_	U	٠	110	¥	FAA	7
P	W	10	—			P	CT	

* INTERNATIONAL SEARCHING AUTHORITY

10:
DAVID E. NEWHOUSE
477 NINTH AVENUE, SUITE 112
SAN MATEO. CA 94402

SAN MATEO, CA 94402			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43bis.1)			
				Date of mailing (day/month/year)	•	CV 2004
Applicant's or agent's file reference			FOR FURTHER ACTION			
DEN-1693			I	See paragraph 2 below		
International application No. International filing date		(day/month/year)	Priority date	e (day/month/year)		
PCT/US04/08638 18 March 2004 (18.03.2 International Patent Classification (IPC) or both national classification		.2004) 18 March 2003 (18.03.2003)				
•				tion and IFC		٠.
Applicant	16D 31/02 and U	S CI.: 60/4/6)			· ·
LAST, H	ARRY J					
1. This o	opinion contains i	ndications rel	ating to the following item	ns:	· ·	
\square	1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion					
	Box No. II	Basis of the opinion Priority				
	Box No. III					
	Box No. IV	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
		Lack of unity of invention				
	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the international application				
	Box No. VIII Certain observations on the international application					
2. FUR	THER ACTIO	N	,			
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.						
3. For further details, see notes to Form PCT/ISA/220.						
Name and mailing address of the ISA/ US Authorized officer						
Mail Stop PCT, Attn: ISA/US			Thomas E. Lazo	=	Spoils H Down	
Commissioner for Patents P.O. Box 1450			Inchias Is. Dazo		Paralegal Specialist	
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230				Telephone No. 7	03-308-0975	Tech. Center 3700

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/08638

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
in the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
Form PCT/ISA/237(Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/08638

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement		
Novelty (N)	Claims 1-5 Claims NONE	YES NO
Inventive step (IS)	Claims 4-5 Claims 1-3	YES NO
Industrial applicability (IA)	Claims 1-5 Claims NONE	YES NO

2. Citations and explanations:

Claims 1-3 lack an inventive step under PCT Article 33(3) as being obvious over Schanzlin et al. (2,657,533). Schanzlin et al. discloses a hydraulic circuit with a reversible hydraulic power source 10, a dual, coupled check valve 17, a manifold, check valve poppets, a translating rod 52, a hydraulic cylinder 23, pressure relief valves 24,25, a shuttle valve 11, and a single pressure relief valve 26 in communication with the shuttle valve 11, wherein the hydraulic liquid pumped from a port of the reversible hydraulic power source 10 seats the check valve poppet on the valve seat translating the translating rod 52 preventing the other check valve poppet from seating on the other valve seat for allowing the reversible hydraulic power source 10 to pump or make up fluid and for allowing excess liquid to flow to the reservoir 15 without tripping a pressure relief. Schanzlin et al. does not disclose check valve balls. The use of check valve balls in place of check valve poppets would be obvious to one of ordinary skill in the art.

Claims 4-5 the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the reversible hydraulic power source in combination with reversible hydraulic motors that drive a winding system to translate a structure.

Claims 1-5 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.